

FPHP Checklist – **Installing or Replacing Structure** in Type S or F Water:

Requires WDFW Concurrence Review? ☐ **Yes** ☐ **No**

Forester: _____

WDFW Biologist: _____

☐ **FP Activity or Vicinity Map; including:**

- ☐ North arrow [A1]
- ☐ Waters
- ☐ Road identifier [A5]
- ☐ Project location marked
- ☐ Waste areas identified

☐ **Information required for all drawings:**

- ☐ Legible
- ☐ Graphical scale bars [B1]
- ☐ Title block for each page to include:
 - ☐ Drawing title [B5]
 - ☐ Landowner name [B10]
 - ☐ Section, Township and Range [B15]
 - ☐ Drawing date and revision date [B20,B25]
 - ☐ Latitude and longitude [B30]
 - ☐ Page number (X of total) [B35]

☐ **Road Profile:**

For All Structures, include the following:

- ☐ Horizontal axis labeled with stations (1+00) or consistent intervals (such as 100') [D1]
- ☐ Vertical axis labeled with elevations [D5]
- ☐ Road grades in percent slope [D10]
- ☐ Existing ground surface labeled [D20]
- ☐ Location of existing structures [E15]

For Pipes, include the following:

- ☐ Pipe cross section with size labeled [E1]
- ☐ Dimension lines: Countersink, streambed shape including: pipe bed width, thalweg, and banks [E5]
- ☐ Type, gradation, or material source used to restore streambed [E10]
- ☐ Location of existing structures [E15]

For Bridges, include the following:

- ☐ Superstructure (bridge) and substructure (foundation) [F1,F5]
- ☐ CBW dimension line and bankfull depth [F10]
- ☐ Clearance between 100-year flood level and bottom of superstructure [F12]
- ☐ Armor: Location, type, size, toe depth, and slope angles labeled in X horizontal: 1 vertical [F20, F25, F30, F35, F40]
- ☐ Location of existing structures [F55]
- ☐ Bottom chord elevations [F60,F65]

☐ **Site Plan; including:**

- ☐ North arrow [A1]
- ☐ Channel survey upstream and downstream 20 x channel bed width (CBW) (min. 150' up and down) [C5]
- ☐ Road and stream alignment, including: [C10,15]
 - ☐ Planned changes with proposed road edges matched to existing edges [C20]
 - ☐ Station labels at constant intervals (such as 1+00) or at direction changes (such as 2+56) [C25]
- ☐ CBW dimensions for bridges [C26]
- ☐ Stream flow direction symbol [C30]
- ☐ Proposed and existing structures with dimensions [C35]
- ☐ Benchmarks and reference points with elevations [C40]
- ☐ Road drainage plan (ditch relief culverts, ditch lining, etc.) [C45]

☐ **Channel Profile; including:**

- ☐ Horizontal axis labeled with stations (1+00) or consistent intervals (such as 100') [G1]
- ☐ Vertical axis labeled with elevations [G5]
- ☐ For pipes: Cut slopes, fill slopes, and rock armor angles labeled in X horizontal: 1 vertical [G10]
- ☐ Proposed structure and existing structures [G25, G30]
- ☐ Channel survey upstream and downstream 20 x channel bed width (CBW) (min. 150' up and down) [G40]
- ☐ Label all channel beds: existing, finished, and expected future regrade [G35,G36,G37]
- ☐ Finished and expected channel profiles labeled in percent slope [G45,G50]
- ☐ Station and elevation labels referenced to benchmarks for:
 - ☐ Finished excavation limits and expected future regraded channel bed limits [G55]
- For Pipes:**
 - ☐ Upstream and downstream inverts [G60,G65]
 - ☐ Finished road surface [G80]

Notes & Comments:

Tracking FPHP Application Review Time

Initials	Date	Start Time	Stop Time	Total Time